

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI) : (a) The total potential for hydel power in the Eastern area, i.e., Eastern and North Eastern Regions, is 37447 MW at 60% load factor out of which 1232.67 MW (3.3%) has been developed and 1021.56 MW (2.7%) is under development.

(b) The level of utilisation of hydro potential is low especially in the North Eastern Region, due to low demand, power evacuation difficulties, opposition of some States to large hydro projects, law and order difficulties, inter-state aspects and environment and forest clearance problems.

(c) Some of the special measures taken by the Government towards harnessing the hydro potential are modification in the financial, administrative and legal procedures to attract private investment, creation of central/joint sector corporations, increase in outlay for development of hydro projects, increase in budgetary allocation for central/joint sector projects and arranging funds for hydel projects through external assistance.

[English]

Crude Oil

867 SHRI SOUMYA RANJAN : Will the PRIME MINISTER be pleased to state :

(a) the total quantity of crude oil being produced presently in the country,

(b) the production of crude oil likely to be achieved during the year 1996-97, and

(c) the locations where exploration of crude oil is being conducted at present in the country?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI T.R. BAALU) : (a) and (b) The crude oil production during 1995-96 was 35.19 MMT. The production is expected to be around 36 MMT during 1996-97.

(c) The exploration for hydrocarbons is being carried out in the following areas —

- West Coast Offshore including Gulf of Kutch, Deep Waters of Kerala-Konkan.
- East Coast Offshore
- Coastal areas of A.P. from Kakinada in the north to Nizamapatnam in the South
- Cauvery basin in Tamil Nadu including Union Territory of Pondicherry.
- Areas in Upper Assam, North Bank of Brahmaputra, Dhansiri Valley and Cachar in North East.

- West Bengal, Tripura, Bihar, Cambay Basin in Gujarat.
- Himalayan Foothills in H.P. and J and K.
- Vindhya/Gondwanas in M.P.
- Rajasthan.
- Saurashtra Offshore.
- Ganga Valley in U.P.

[Translation]

Demand and Supply of Power

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868. DR. SATYANARAYAN JATIA : Will the PRIME MINISTER be pleased to state :

(a) the position regarding supply and generation of power at the time of peak demand period during the last one year till June, 1996 in the country, State-wise;

(b) the present power-generation capacity of N.T.P.C. and other power-generating plants (Private and under Union Government) in the country, State-wise;

(c) the measures being taken to generate power to meet its demand in the country;

(d) the number of times the Madhya Pradesh Government have made a demand for installation of a gas based power plant in Madhya Pradesh; and

(e) the time by when the decision is likely to be taken by the Union Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI) : (a) State-wise peak demand, peak met and the deficit in the country during July, 1995 to June, 1996 is given in the attached Statement - I.

(b) State-wise power generation capacity in the Central, State and Private Sectors in the country as on 31.03.96 is given in the attached Statement - II.

(c) Amongst the measures undertaken for increasing power generation are higher utilisation of installed capacity, monitoring the supply of proper quality and quantity of coal for thermal stations and modernisation and uprating of existing power stations. Besides, initiating schemes for reducing transmission and distribution losses, steps have also been undertaken for speedier implementation of ongoing projects in the public sector both at the Central and State levels. Participation of private sector is also being encouraged.

(d) and (e). Madhya Pradesh has submitted the following schemes for gas based power plants for techno-economic appraisal by Central Electricity

Authority. These schemes could not be processed as no gas linkage is available.

Name of the scheme	Capacity (MW)	Date of Receipt in CEA	Remarks
Gwalior CCGT	200	7/93	Fresh scheme to be submitted upto gas linkage is confirmed.
Gwalior CCGT	817	8/91	Returned as gas from HBJ pipe line could not be tied up.
Jhabua CCGT	3x100 (GT) +1x150 (ST) = 450.	10/88	-do-
Rajgarh CCGT	3x100 (GT) +1x150 (ST) = 450.	10/88	-do-
Vijaypur CCGT	2x30 (GT) +1x30 (ST) =90.	7/91	-do-

STATEMENT - I

State-wise peak demand and peak met (July, 1995 - June, 1996)

(Figures in Net MW)

State/System	Peak Demand	Peak Met	Deficit	%
1	2	3	4	5
NORTHERN REGION :				
Chandigarh	166	166	0	0.0
Delhi	2150	2022	128	6.0
Haryana	2150	1795	355	16.5
Himachal Pradesh	506	506	0	0.0
Jammu and Kashmir	825	580	245	29.7
Punjab	4000	3840	160	4.0
Rajasthan	2850	2754	96	3.4
Uttar Pradesh	6550	5024	1524	23.3
Total N.R.	17900	15937	1963	11.0
WESTERN REGION :				
Gujarat	6100	4584	1516	24.9
Madhya Pradesh	5500	4255	1245	22.6
Maharashtra	8950	8094	856	9.6
Goa	204	204	0	0.0
Total W.R.	19760	16740	3020	15.3
SOUTHERN REGION :				
Andhra Pradesh	5830	4276	1554	26.7
Karnataka	4250	2947	1303	30.7
Kerala	2005	1568	437	21.8
Tamil Nadu	5365	4284	1081	20.1
Total S.R.	16170	12350	3820	23.6

1	2	3	4	5
EASTERN REGION :				
Bihar	1710	931	779	45.6
D.V.C.	1530	1207	323	21.1
Orissa	1960	1581	369	19.4
West Bengal	2775	2339	436	15.7
Total E.R.	7792	5845	1947	25.0
NORTH EASTERN REGION :				
Arunachal Pradesh	54	43	11	20.41
Assam	500	472	28	5.6
Manipur	76	73	3	3.9
Meghalaya	87	87	0	0.0
Mizoram	47	47	0	0.0
Nagaland	36	36	0	0.0
Tripura	88	68	20	22.7
Total N.E.R.	860	770	90	10.5
All India	60981	49836	11145	18.3

STATEMENT-II*Generating Plant Installed Capacity As on 31.03.96 (Provisional) Abstract State-wise*

S. No.	Region/ State/U.T.	Installed Capacity (MW)			Total
		Hydro	Thermal	Nuclear	
1	2	3	4	5	6
I.	NORTHERN				
1.	Haryana	883.90	896.42	0.00	1780.32
2.	Himachal	288.57	0.13	0.00	288.70
3.	J & K	184.06	181.76	0.00	365.82
4.	Punjab	1798.94	1710.00	0.00	3508.94
5.	Rajasthan	967.58	1013.50	0.00	1981.08
6.	U.P.	1504.55	4570.19	0.00	6074.74
7.	Chandigarh	0.00	2.00	0.00	2.00
8.	Delhi	0.00	653.60	0.00	653.60
9.	Gen. Sec. (NR)	1530.00	6862.00	895.00	9287.00
	Total (NR)	7157.60	15889.60	895.00	23942.20
II.	WESTERN				
1.	Goa	0.05	0.11	0.00	0.16
2.	Gujarat	487.00	4841.47	0.00	5328.47
3.	M.P.	845.86	3017.50	0.00	3863.36
4.	Maharashtra	1780.22	8247.00	0.00	10027.22
5.	D & N Haveli	0.00	0.00	0.00	0.00
6.	Daman & Diu	0.00	0.00	0.00	0.00
7.	Gen. Sec. (WR)	0.00	4652.00	860.00	5512.00
	Total (WR)	3113.13	20728.08	860.00	24731.21

1	2	3	4	5	6
III.	SOUTHERN				-
1.	A.P.	2655.94	2551.50	0.00	5207.44
2.	Karnataka	2409.55	967.92	0.00	3377.47
3.	Kerala	1491.50	0.00	0.00	1491.50
4.	Tamil Nadu	1947.70	3119.35	0.00	5067.05
5.	Pondicherry	0.00	0.00	0.00	0.00
6.	Cen. Sec. (SR)	0.00	4170.00	470.00	4640.00
	Total (SR)	8504.69	10808.77	470.00	19783.46
IV.	EASTERN				
1.	Bihar	164.90	1603.50	0.00	1768.40
2.	Orissa	1271.92	420.00	0.00	1691.92
3.	West Bengal	96.51	3478.88	0.00	3575.39
4.	Sikkim	30.89	2.70	0.00	33.59
5.	Cen. Sec. (ER)	144.00	6217.50	0.00	6316.50
	Total (ER)	1708.22	11722.58	0.00	13430.80
V.	NORTH-EASTERN				
1.	Arunachal Pradesh	23.55	15.81	0.00	39.36
2.	Assam	2.00	595.19	0.00	597.19
3.	Manipur	2.60	9.41	0.00	12.01
4.	Meghalaya	186.71	7.05	0.00	193.76
5.	Mizoram	3.37	21.07	0.00	24.44
6.	Nagaland	3.20	3.62	0.00	6.82
7.	Tripura	16.01	53.35	0.00	69.36
8.	Cen. Sec. (NER)	255.01	167.50	0.00	422.51
	Total (NER)	492.45	873.00	0.00	1365.45
VI.	ISLAND				
1.	A & Os: AMDS	0.00	29.47	0.00	29.47
2.	Lakshdweep	0.00	5.37	0.00	5.37
	Total (Islands)	0.00	34.84	0.00	34.84
	C. Sector	1929.01	22069.00	2225.00	26223.01
	SS+PS	19047.08	38017.87	0.00	57064.95
	All India	20976.09	60086.87	2225.00	83287.96
	% of Total	25.19	72.14	2.67	100.00

[English]

Harnessing of Non-Conventional Energy Sources

869. DR. KRUPASINDHU BHOI : Will the PRIME MINISTER be pleased to state :

(a) the schemes under implementation during the 8th Plan period to produce energy through non-conventional energy sources;

(b) the funds set apart for the purpose; and

(c) the estimate of energy produced, year-wise during the last three years, through these sources?

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI) : (a) In order to produce/save energy through non-conventional energy sources during 8th Plan period a wide range of Non-conventional energy programmes such as improved chulha, biogas, biomass gasification, solar photovoltaics, solar thermal,